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	Application No.	Applicant(s)
	09/921,038	KLERSY ET AL.
Notice of Allowability	Examiner	Art Unit
	Phat X. Cao	2814
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this applion of other appropriate communication IGHTS. This application is subject to	olication. If not included will be mailed in due course. THIS
1. This communication is responsive to 7/18/04.		
2. The allowed claim(s) is/are 21-27 and 61-65.		
3. The drawings filed on <u>02 August 2001</u> are accepted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) 🔲 including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawir	ngs in the front (not the back) of d).
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	
 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 7/18/04 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	<u>_</u>	te ment/Comment ent of Reasons for Allowance
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REASONS FOR ALLOWANCE

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1. The following is an examiner's statement of reasons for allowance: the prior art of record fails to disclose the combination of a programmable memory element structure recited in the base amended claim 21, including the combination of the structure comprising: a first conductive layer formed over a first dielectric layer and in electrical communication with a substrate; a second dielectric layer formed over the first conductive layer and having an opening therethrough; a spacer disposed about a peripheral portion of the opening to form a pore and the pore overlying the first dielectric layer. The prior art of record also fails to disclose the combination of a programmable memory element structure recited in the new claim 61, including the combination of the structure comprising: a first conductive layer lining the sidewall surface of the opening of a first dielectric layer; a second dielectric layer formed over the first conductive layer within the opening; a second conductive layer formed over a top surface of the first conductive layer and a top surface of the second dielectric layer; and a third dielectric layer formed over the second conductive layer, the third dielectric layer having a pore therethrough, and the pore overlying the second dielectric layer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phat X. Cao whose telephone number is (571) 272-1703. The examiner can normally be reached on Monday - Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PC

August 2, 2004

PHAT X. CAO
PRIMARY EXAMINER